

Price 50c a box

Suftered From Heart Trouble Became Weak and Run Down

Mrs. Wm. Diotte, Glensandfield, Ont., writes:-"For a long period I suffered from heart trouble, and became very weak and run down. I tried various remedies, but they did me no good. One day I met a friend and told her of my trouble. She said she had had heart trouble for two years too, but after using Milburn's Heart and Nerve Pills for a short time she had been relieved of her trouble, so I got two boxes and after taking them I was again feeling fine, and always recom-mend H. & N. Pills to anyone complaining of heart trouble."

Sold at all drug and general stores, or mailed direct on receipt of price by The

THE DAILY NEWS. PRINCE RUPERT - BRITISH COLUMBIA

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H. F. PULLEN - - - Managing-Editor

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By mail to all parts of Northern and Central British Columbia,	
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By mail to all other parts of British Columbia, the British Em-	
pire and United States, paid in advance, per year	\$6.00
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DAILY EDITION

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Saturday, March 28, 1931

BESSBOROUGH IS COMING

Editor and Reporters' Telephone

The Earl of Bessborough is on his way to Canada to become the first governor appointed by His Majesty, King George, on the advice of his Canadian first minister. The fact that most of us had never heard of His Lordship before the appointment is nothing against him. He has not figured, so far as we know, in any political squabbles and is neither famous nor infamous. As an ordinary man come to live with ordinary people he will doubtless be welcomed. We hope he will come to Prince Rupert before long.

The idea in paying the income tax every week is to continually remind all that they are paying toll to the Tolmie Government for the privilege of living. It is rather a costly method but doubtless will prove effective.

VESTED INTERESTS

British Columbia has been asked to give the United States a vested interest in a highway connecting United States and Alaska. People to the south will construct it if we will give them certain rights there which ordinarily 35 miles southeast of Prince Rupert belong to Canada. The highway would then to all intents at the confluence of Falls and the and purposes become an American road instead of Canadian, a condition which a self-respecting nation cannot

by its relative proximity to the lo-At one time a proposal was made that American inter- cation of the present market and ests should maintain salmon hatcheries on the Fraser River because American fishermen took most of the fish which were propagated there. The proposal was definitely refused because it was felt that it would give the United the nearest point of contact with States a vested interest in the Canadian River. Canadian sovereignty must be maintained, even at financial loss. practical route for the transport of

While the idea of getting a highway constructed free of cost is very attractive, the price in the long run would be River and 'me Ecstall. too high, we are inclined to think. We must at any price maintain our self respect as a nation.

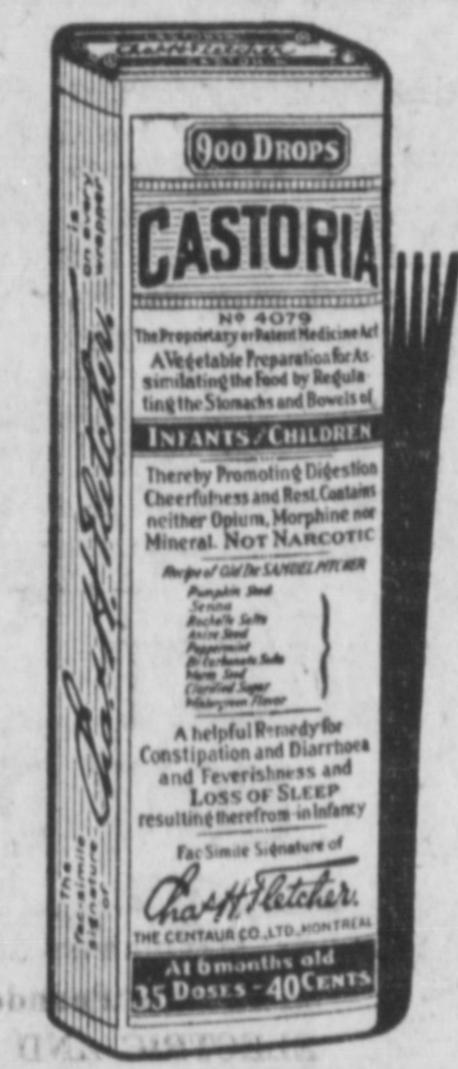
If you would get rich invest in a sweepstake and there is one chance in ten million that you may make a fortune.

Can't REST

-child needs Castoria

WHEN a child is fretful and irritable, seems distressed and uncomfortable, can't play, can't sleep, it is a pretty sure sign that something is wrong. Right here is where Castoria fits into a child's schemethe very purpose for which it was formulated years ago! A few drops and the condition which caused the trouble is righted; comfort quickly brings restful sleep.

Nothing can take the place of Castoria for children; it's perfectly harmless, yet always effective. For the protection of your wee onefor your own peace of mind-keep this old reliable preparation always on hand. But don't keep it just for emergencies; let it be an every-day aid. Its gentle action will ease and soothe the infant who cannot sleep. In more liberal doses it will



effectively help to regulate sluggish bowels in an older child. All druggists have Castoria; it's genuine if you see Chas. H. Fletcher's signature and this name-plate:



FALLS RIVER MODERN POWER PROJECT

Local Development is First of Several For This Northern District apment, however, contemplates a

New Plant of Northern British Columbia Power Company Is Fully Described In Trade Journal By Power Corporation Designer

Power Corporation of Canada has recently completed the design and construction of the Falls River hydro- power-house. It is supported on reelectric development for the Northern B. C. Power Com- inforced concrete saddles and has pany to meet the growing demand for power in the town substantial concrete anchorage at of Prince Rupert, B.C., and vicinity, writes A. W. Finlay- all bend points. son, who was in direct charge of all drawings for the de- The ultimate development will

supplements a small hydro-electric of 6,000 hp. at 248 feet head and larger ones to serve 10,000 hp. plant, heretofore in use, which was will deliver sufficient power to Units. purchased by the above company, meet present requirements. Plans in 1929, from the municipality of for future development provide for The powerhouse is built on a re- the necessary additions to the jor part of this distance, the nor-Prince Rupert.

power sites, which will form a net- final stage, bringing the total in | ne turbine block and draft tube, ern part of British Columbia with 000 hp. indowed.

The new plant is situated about tion, provision for a log chute an As constructed, the powerhouse

Fostall rivers, the latter being a

tributary of the Skeena River. The

choice of this sur was influenced

stages as the demand for power

Access to the site, by land, from

he railway is difficult, the only

material being by water from

Prince Rupert by way of Skeena

The drainage area of the Falls

River basin is about 90 square

miles. Records show that precipita-

tion is high during the montes of

October, November, December and

January and low during months

of May, June, July and August, he-

cause the upper reaches of the

mountain slopes are covered with

snowfields and glaciers, which acti

as a natural storage, retarding

the run-off during the winter

months and augmenting the flow

during the relatively dry summer

months. This natural reservoir.

however, is not sufficient to give

year; so it was decided to provide

artificial storage which would ac-

complish this object. The topogra-

phy of the basin is such that both

the head of water and the

storage can be increased in

stages, by raising the dam as

the demand for power in-

General Arrangement

From the site of the dam

the river flows down a steep

chute dropping about 180 feet

to a pool near the power-

house. From the pool the wa-

ter is discharged over a neck

of solid rock, or natural weir

known as the Lower Falls.

into a tidal pool which is an

arm of the Ecstall River. At

times of high tide the Lower

In the present develop-

ment which constitutes the

first stage only, only one

has been installed.

Falls are submerged.

OBLEST STATE OF THE STATE OF TH

reases.

uniform flow throughout the

its development in several

south bulkhead section, arranged in the order given to form a dam across the bed of the river.

No gatehouse is provided in the initial development other than a temporary wooden structure to protect the headgate hoist and control apparatus from weather. The programme for future develreinforced concrete gatehouse of neat architectural design, provided with an overhead travelling crane; for service in lifting the emergency gates and racks.

Penstock

A single steef penstock, 6 feet in diameter and 730 feet long, conducts the water from intake to

velopment in "Electrical News and Engineering?" This development The turbine has a rated capacity to the one now installed, and two

The Powerhouse

the installation of another 6,000 latively flat expanse of rock on the switching equipment. It is the first important step in hp. unit, as the second stage and shore of a pool at the foot of the the development of a number of two units of 10,000 hp. each as the alls, the rock being evcavated for sluice, sluice section, spillway soc ainable at ow tide.

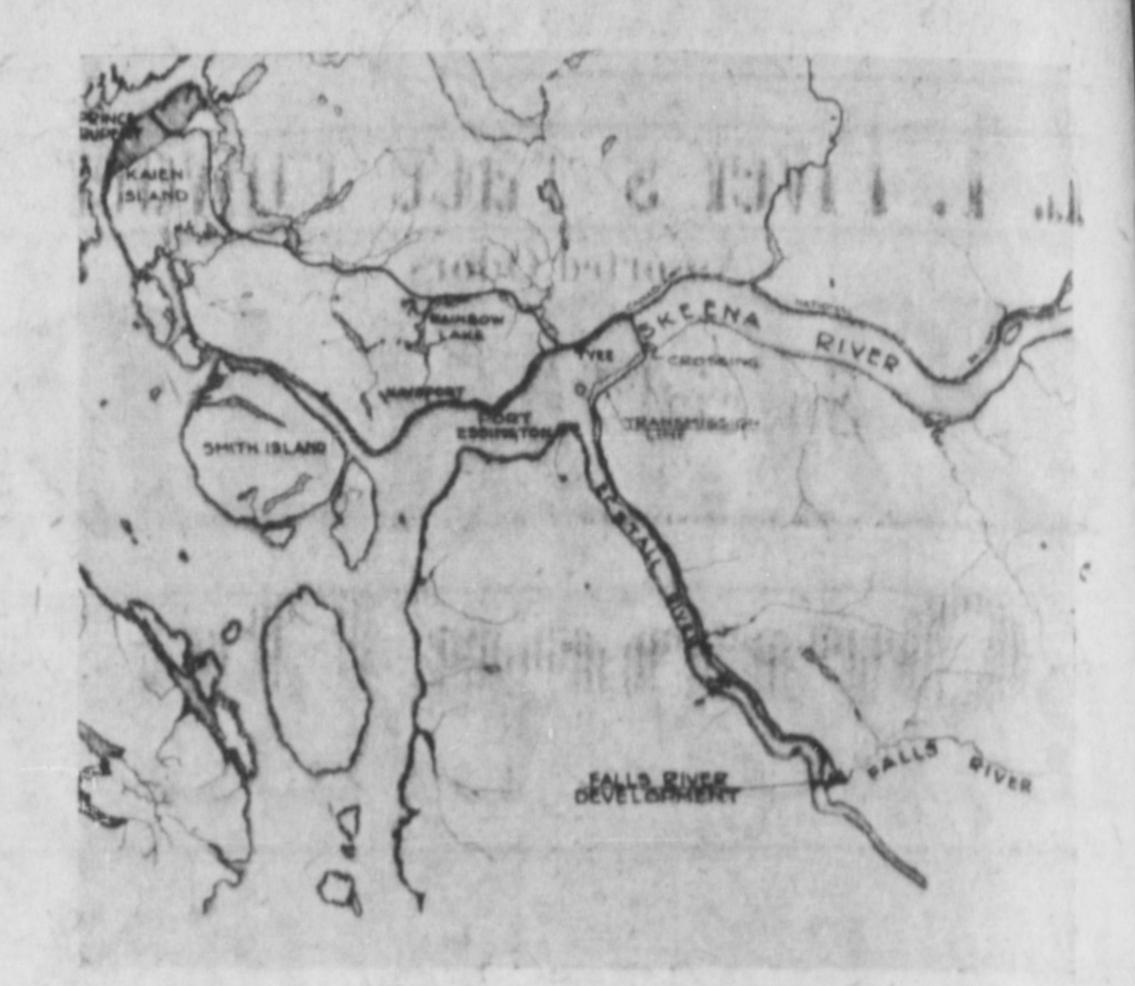
+Courtesy Electrical News and Engineering.

construction

-Courtesy Electrical News and Engineering.

View showing sluice gates while under construction.

Falls River power house in foreground with intake and sluices upstream.



-- Courtesy Electrical News and Engine ering.

Map showing the location of Falls River plant in relation to Prince Rupert.

provides for a second unit, similar of H-frame construction support a

steel and is embedded solidly in of the side hills rendered the Hwork of plants, to serve the north- stalled capacity of the plant to 32.- The attimate development pro- the concrete substructure. The frame type impractical. Single pole vides for the removal of this rock turbine is of the vertical Franci | tructures, designed for a future the power necessary for the ex- The headworks as presently con- and the excavation of a tailrace type and is designed for a capa econd circuit are used on Kalen picitation of the natural resources structed, comprise a north bulk | channel of sufficient depth to take city of 6,000 hp. at 450 r.p.m., with ith which this territory is richly head section, intake works, and advantage of the extra draft ob- an operating head of 248 feet. The turbine gates are controlled by a Woodward oil pressure governo: at a point near Tyee, where the provided with the latest safety de river is about one and one-hali vices and electrically connected to niles in wice, necessitated the use the generator leads so that the of some large steel crossing towgovernor speed will at all times ers and speciarry designed concrete correspond to the generator speed The governor and its oil pressur system are mounted on the mal floor, close to the generator.

The generator has a rated capa city of 6,000 kv.a. at 450 r.p.m. an is designed to deliver 60 cycli power at 6.600 volts.

A noteworthy feature in the de sign of the Falls River plant the arrangement of the low-tension switching apparatus for semi automatic operation. The relay are so arranged that it is only nec cessary for the operator to press the starting buttons and relay start the generator, bring it up t normal speed, synchronize it and put it on the line. A system of pro tective relays is also provided for shutting down the unit temporarily for a number of system fault of a temporary nature and for shutting down and locking out the unit should more serious trouble arise. The switching equipment is FIRST CHOICE OF SU of the most modern design and 18

metal-clad throughout. The design of the Falls River plant is very compact, all func- quality and the patterns of the very tions connected with the normal latest. operation of the two 6,000 kv.a. units being carried out on a single floor, in a space approximately Steam cleaning, pressing and alterforty feet square. The electrical ing. Free delivery to any part of equipment has been laid out with the city. generator, switchboard, low-tension oil switches, step-up transformers and future high-tension 817 Second Ave. switching arranged in a direct line thus cutting down the length of expensive conductors to a mini-

Two well built cottages, of modern design and appointment. to accommodate the operators and their families, complete the present development at the Falls River end of the system.

Transmission Line Power is transmitted to the sub-

station in Prince Rupert over a 66,000 volt line. 43 miles in length Substantial wood pole structures

to the one now installed, and for single circuit power line the mamal span between structures being 450 ft. Single pole structures were The scroll case is of rivetted used where the precipitous nature

> sland, near the Prince Rupert end f the line. The crossing of the Skeena River

oundations. It is a matter of satisfaction that with the exception of the headgate which is of patented design, all material was purchased within the

British Empire and most of it was

supplied by Canadian manufactur-

An itching skin? Ugly pimples?

Red eruptions? The active fluid DDD will wa formula penetrate. Repeat the one, two, three times-the rough sightly spots have disappeared.

ORMES LTD. J. McCUTCHEON. DRUGGIST RUPERT PHARMACY

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New samples just arrived of spring and summer goods of the finest

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LING - THE TAILOR

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Station

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Open Day and Night

Third Avenue Phone 52

Courtesy Electrical News and Englueering. View of Falls River power house from upstream during

Annual SATIN-GLO Special Sale

March 27 to April 4 Inclusive

SPECIAL DISCOUNTS ON

Satin-Glo Enamels Satin-Glo Varnish Stains Regular Satin-Glo

Ten cents reduction on quarter-pints Fifteen cents reduction on half-pints Twenty-five cents reduction on pints Fifty cents reduction on quarts One dollar reduction on half gallons

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